

CLAIMS

What is claimed is:

1. A method of forming a heat exchanger comprising the steps of:
assembling a plurality of heat exchanger components to be brazed together;
providing an induction heater, said induction heater having at least one flux concentrator associated with an area on said heat exchanger components wherein a higher temperature is desirable; and
inducing magnetic fields in said heat exchanger components to cause said heat exchanger components to braze together, with higher temperatures being provided by said flux concentrator at a selected area which would desirably be raised to a higher temperature.
2. A method as set forth in Claim 1, wherein said flux concentrator are of the type available under the trademark Fluxtrol™.
3. A method as set forth in Claim 1, wherein said heat exchanger components include relatively large headers, and interconnecting side plates of a thinner size, with said flux concentrators applying greater heat to said headers.
4. A method as set forth in Claim 1, wherein said heat exchanger components are formed of aluminum, and have a silicone-rich aluminum coating.

5. A method of forming a heat exchanger comprising the steps of:

assembling a plurality of aluminum heat exchanger components having a silicone-rich aluminum outer coating, said components to be brazed together and including relatively large headers, and interconnecting side plates of a thinner size;

providing an induction heater, said induction heater having flux concentrators associated with at least said headers on said heat exchangers components; and

inducing magnetic fields in said heat exchanger components to cause said heat exchanger components to braze together, with higher temperatures being provided with said flux concentrator at said headers.